

Appl. No. 10/014,273

Amdt. Dated Dec. 2, 2005

Reply to Office action of Sept. 2, 2005

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### Amendments to the Claims:

1. (presently amended) A method for internet protocol (IP) address allocation in a mobile station comprising the step steps of:  
transmitting a request to a mobile network, wherein the request includes requesting by a mobile station an activation request for a unique IP address for from an external network;  
statefully obtaining by a network the unique IP address from the external network; and  
receiving transmitting the unique IP address and an address prefix of the external network, wherein duplicate address detection has been performed by the network to determine the uniqueness of the unique IP address prior to the mobile station receiving the unique IP address.
2. (presently amended) A method for IP address allocation as claimed in claim 1, wherein the step of statefully obtaining receiving the unique IP address includes the step of receiving the unique IP address, wherein the network has solicited soliciting by the network access to an address server within the external network and has performed duplicate address detection.
3. (presently amended) A method for IP address allocation as claimed in claim 2, wherein the step of statefully obtaining receiving the unique IP address further includes the step of receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received sending by the address server an advertisement message from the address server, to the network and has performed duplicate address detection.
4. (presently amended) A method for IP address allocation as claimed in claim 3, wherein the step of statefully obtaining receiving the unique IP address further includes the step of receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received an advertisement message from the address server, responsive has requested, in response to said advertisement message, requesting by the network the unique IP address via an address request message, and has performed duplicate address detection.
5. (presently amended) A method for IP address allocation as claimed in claim 4, wherein the step of statefully obtaining receiving the unique IP address further includes the step of

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receiving the unique IP address, wherein the network has solicited access to an address server within the external network, has received an advertisement message from the address server, has requested, in response to said advertisement message, the unique IP address via an address request message, responsive has requested, in response to the address request message, assigning the unique IP address to the network for use by the mobile station, and has performed duplicate address detection.

6. (canceled)

7. (canceled)

8. (canceled)

9. (presently amended) In a mobile network, a method for obtaining an internet protocol (IP) address comprising the steps of:

requesting by a mobile station an activation for a unique IP address for an external network;

statefully obtaining by the mobile network the unique IP address from the external network;

performing duplicate address detection by the network to determine the uniqueness of the unique IP address; and

transmitting the unique IP address and an address prefix of the external network by the mobile network to the mobile station.

10. (original) A method for IP address allocation as claimed in claim 9, wherein the step of statefully obtaining includes the step of soliciting by the mobile network access to an address server within the external network.

11. (original) A method for IP address allocation as claimed in claim 10, wherein the step of statefully obtaining further includes the step of sending by the address server an advertisement message to the mobile network.

12. (presently amended) A method for IP address allocation as claimed in claim 11, wherein the step of statefully obtaining further includes the step of, responsive to said advertisement

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message, requesting by the mobile network the unique IP address via an address request message.

13. (original) A method for IP address allocation as claimed in claim 12, wherein the step of statefully obtaining further includes the step of responsive to the address request message, assigning the unique IP address to the mobile network for use by the mobile station.

14. (canceled)

15. (canceled)

16. (canceled)

17. (presently amended) A network method for allocating a unique IP address comprising the steps of:

receiving a request for a unique IP address from a mobile station;

statefully obtaining the unique IP address from an external network;

performing duplicate address detection to determine the uniqueness of the unique IP address; and

after determining that the unique IP address is unique, transmitting the unique IP address and a prefix identifying the external network to a requester the mobile station.

18. (presently amended) A method for IP address allocation as claimed in claim 17, wherein the step of statefully obtaining includes the step of soliciting ~~by a network~~ access to an address server within the external network.

19. (presently amended) A method for IP address allocation as claimed in claim 17, wherein the step of statefully obtaining ~~further~~ includes a step of requesting ~~by the network~~ the unique IP address via an address request message transmitted to the external network.

20. (canceled)

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### Claim Objections

#### I. SPECIFICATION OBJECTIONS

The Examiner has suggested an amendment to the title and has objected to the disclosure because of an informality in the drawings.

#### II. CLAIM OBJECTIONS

Claim 1 is objected to because of a misspelling informality.

#### III. CLAIM REJECTION UNDER 35 USC §102

Claims 1, 9 and 17 are rejected under 35 USC §102(e) as being anticipated by Bertrand et al.

#### IV. CLAIM REJECTION UNDER 35 USC § 103

Claims 2 to 8, 10 to 16 and 18 to 20 are rejected under 35 USC §103(a) as being unpatentable over Bertrand et al in view of DHCP for IPv6 to Charles Perkins and Jim Bound.